

## CLAIMS

## WHAT IS CLAIMED IS:

1. A system for remote medical measuring of at least one user, the system comprising:
  - 5 (a) a measuring device for measuring at least one physiological parameter of the at least one user, wherein the measuring device comprises a communication module for wirelessly transmitting medical parameters and receiving data and instructions;
  - (b) a portable wireless gateway, wherein the portable wireless gateway comprises a wireless module for wirelessly communicating with the measuring device and a computer interface module;
  - (c) a computer (PC) to which the portable wireless gateway is connected to via the computer interface module;
- 15 2. The system of claim 1, further comprising:
  - (d) a central server being operative to communicate with the PC; and
  - (e) a computer network between the PC and the central server for carrying the communication between the two.
3. The system of claim 1, wherein the portable wireless gateway is  
20 in a shape of a USB flash disc device.
4. The system of claim 1, wherein the portable wireless gateway stores personal information of the user.
5. The system of claim 1, wherein the portable wireless gateway stores  
25 the software that will be operated by the PC for controlling the operation of the remote medical measuring system.

6. The system of claim 1 wherein the measuring device is wearable by the user.
7. The system of claim 1 wherein the computer networks is the Internet.
8. The system of claim 1, wherein the measuring device is  
5 further comprising a movement sensor.
9. The system of claim 8, wherein the movement sensor is adapted for measuring the user's breathing.
10. The system of claim 1, wherein the connection between the portable wireless gateway and the PC is USB connection.
- 10 11. The system of claim 1, wherein the portable wireless gateway has nonvolatile memory as a storage device.
12. A portable wireless gateway suitable for use within a remote medical monitoring system that comprises a measuring unit, a computer connected to a computer network and a central server  
15 connected over the computer network, the portable wireless gateway comprising:
  - a wireless communication unit;
  - a non-volatile memory module;
  - a computer interface module; and
  - 20 a processing unit,wherein after connecting the portable wireless gateway to the computer the portable wireless gateway communicatively coupled via the wireless communication unit with the measuring unit, and in response to instructions, the processing unit being operable to receiving physiological data from the measuring  
25 unit through the wireless communication unit; processing the received physiological

data and transferring the processed physiological data to the computer via the computer interface module,

5 whereby connecting the portable wireless gateway to a computer the computer becomes a part of the remote medical monitoring system during the period of the connection.

13. The portable wireless gateway of claim 12, wherein the connection between the portable wireless gateway and the computer is USB connection.
14. The portable wireless gateway of claim 12, wherein the 10 portable wireless gateway is in a shape of a USB flash disc device.
15. The portable wireless gateway of claim 12, wherein the non-volatile memory module stores personal information of the user.
16. The portable wireless gateway of claim 12, wherein the non-volatile memory module stores the software that will be operated by the computer for operating the remote medical monitoring system while connected to the portable wireless gateway.